

Converting Colors

XYZ(12.9757, 14.3098, 11.0309)

Have a look what the booklet for
XYZ(12.9757, 14.3098, 11.0309)
contains.

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Color

**XYZ(12.9219, 14.2677,
11.0897)**

Conversions

Conversions Part 1

Format	Color
Hex	6A6B57
RGB	106, 107, 87
RGB Percent	42%, 42%, 34%
CMY	0.5843, 0.5804, 0.6588
CMYK	0.01, 0.00, 0.19, 0.58
HSL	63°, 10%, 38%
HSV	63°, 19%, 42%
XYZ	12.9219, 14.2677, 11.0897
YIQ	104.4210, 5.8240, -6.4320

Conversions

Conversions Part 2

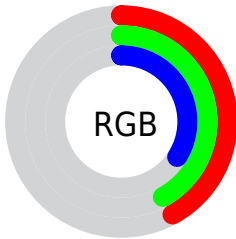
Format	Color
RYB	87, 107, 88
Decimal	6974295
CIELab	44.61, -4.17, 11.11
CIElCh	45, 11.864, 110.581
Yxy	14.2677, 0.3376, 0.3727
Android (android.graphics.Color)	4285164375 (0xFF6A6B57)
YUV	104.4210, -8.5886, 1.3848
Hunter-Lab	37.7726, -5.0377, 9.0338

Details

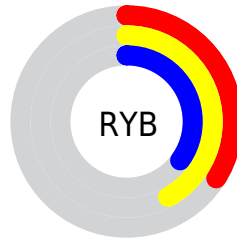
The XYZ color **12.9219, 14.2677, 11.0897** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **10.0870, 9.9530, 15.3002**, and the grayscale version is **13.2926, 13.9849, 15.2295**.

A 20% lighter version of the original color is **30.6468, 33.4280, 28.5039**, and **3.8374, 4.3287, 2.8238** is the 20% darker color. If you saturate the color by 10%, you get **12.4534, 14.0734, 8.9525**, and if you desaturate by 10%, it is **13.4564, 14.4893, 13.5689**.

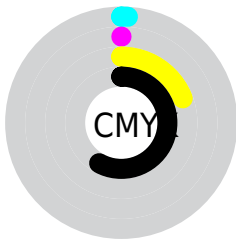
Distribution



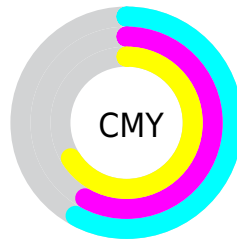
- Red (42%)
- Green (42%)
- Blue (34%)



- Red (34%)
- Yellow (42%)
- Blue (35%)



- Cyan (1%)
- Magenta (0%)
- Yellow (19%)
- Black (58%)



- Cyan (58%)
- Magenta (58%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9219, 14.2677, 11.0897 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 12.9219, 14.2677, 11.0897 by changing the saturation by 10% instead.

■ 12.9219, 14.2677,
11.0897

■ 12.9219, 14.2677,
11.0897

204.0643,
218.8899, 209.0414

■ 7.4514, 8.3071,
6.0123

■ 30.7659, 33.5633,
28.4651

■ 3.7948, 4.2921,
2.7836

■ 43.8702, 47.6670,
41.6001

■ 1.5867, 1.8382,
0.9852

■ 60.2497, 65.2539,
58.2582

■ 0.3837, 0.5108,
0.0000

■ 80.2699, 86.7084,
78.8577

■ 0.0000, 0.0000,
0.0000

■ 104.2961,
112.4149, 103.8172

132.6936,

142.7577, 133.5553

165.8279,
178.1212, 168.4905

■ 12.9219, 14.2677,
11.0897

■ 12.9219, 14.2677,
11.0897

■ 12.4534, 14.0734,
8.9525

■ 13.4564, 14.4893,
13.5689

■ 12.0469, 13.9036,
7.1414

■ 14.0584, 14.7376,
16.4033

■ 11.6998, 13.7575,
5.6407

■ 14.7308, 15.0140,
19.6064

■ 11.4087, 13.6338,
4.4329

■ 15.4760, 15.3196,
23.1908

■ 11.1699, 13.5312,
3.4989

■ 16.2962, 15.6553,
27.1684

■ 10.9795, 13.4479,
2.8171

■ 17.1938, 16.0219,
31.5508

■ 10.8327, 13.3821,
2.3631

■ 18.1707, 16.4203,
36.3489

■ 10.7126, 13.3271,
2.0479

■ 19.2289, 16.8513,
41.5733

■ 10.6970, 13.3199,
2.0072

■ 20.3704, 17.3157,
47.2341

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



13.8656, 14.2677, 10.8783



12.9219, 14.2677, 11.0897



12.1833, 14.2677, 12.4119

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



12.9219, 14.2677, 11.0897



12.4214, 14.2677, 19.9914



15.4664, 14.2677, 16.4171

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



12.9219, 14.2677, 11.0897



10.0870, 9.9530, 15.3002

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



15.0388, 14.2677, 19.1427



12.9219, 14.2677, 11.0897



13.2609, 14.2677, 21.3610

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



12.9219, 14.2677, 11.0897



11.9040, 14.2677, 17.4702



14.2209, 14.2677, 21.0333



15.3651, 14.2677, 13.7484

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



12.9219, 14.2677, 11.0897



11.8922, 14.2677, 13.8416



14.2209, 14.2677, 21.0333



15.3790, 14.2677, 17.3614

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



12.9223, 14.2683, 11.0900



24.3546, 26.0513, 25.5154



11.2739, 10.7937, 10.5062



5.8836, 6.3009, 6.1227



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12.9223, 14.2683, 11.0900



22.7944, 25.4055, 18.2821



11.8024, 13.6910, 11.0376



3.3189, 3.5762, 3.3328



13.0053, 16.1997, 2.4414



66.0451, 82.4296, 12.4296

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



10.0870, 9.9530, 15.3002



16.8110, 16.2982, 27.1675



11.0995, 10.4749, 15.3475



2.9612, 3.0317, 3.8640



3.3021, 1.3293, 17.0048



16.6062, 6.6604, 86.6366

Previews

White Background



This preview shows how the XYZ color 12.9219, 14.2677, 11.0897 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 12.9219, 14.2677, 11.0897 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

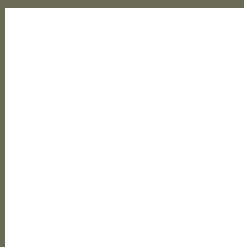
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.9219, 14.2677, 11.0897

Background



This preview shows how black text looks on a background with the XYZ color 12.9219, 14.2677, 11.0897.



This preview shows how white text looks on a background with the XYZ color 12.9219, 14.2677,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

12.9219, 14.2677, 11.0897

Protanopia

13.4134, 14.2198, 10.8418

Deuteranopia

14.4412, 14.1495, 11.2025



Tritanopia

14.1816, 14.3217, 17.3461

Trichromacy



Original Color

12.9219, 14.2677, 11.0897

Protanomaly

13.2642, 14.2950, 10.8642

Deuteranomaly

13.8142, 14.1181, 11.2295

Tritanomaly

13.6841, 14.2706, 14.8652

Monochromacy



Original Color

12.9219, 14.2677, 11.0897

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.0819, 13.9883, 13.5658

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9219, 14.2677, 11.0897 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(106, 107, 87)` looks like.

```
.text, #text, p{  
    color:rgb(106, 107, 87)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(106, 107, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 107, 87) }
```

Border

The CSS property to change the border of an element to XYZ 12.9219, 14.2677, 11.0897 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(106, 107, 87) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(106, 107, 87) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(106, 107, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 107, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 107, 87);  
box-shadow:4px 4px 4px 4px rgb(106, 107,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9219, 14.2677, 11.0897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 107, 87) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(106,  
107, 87) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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